

(19)



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(11)

EP 0 751 313 A1

(12)

EUROPEAN PATENT APPLICATION

(43) Date of publication:
02.01.1997 Bulletin 1997/01

(51) Int Cl.⁶: F16C 33/10

(21) Application number: 96304377.3

(22) Date of filing: 12.06.1996

(84) Designated Contracting States:
DE FR GB IT NL

(30) Priority: 28.06.1995 US 495822

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(54) Method and apparatus for applying lubricant to a hydrodynamic bearing

(57) A method, and associated apparatus, of applying fluid lubricant to a hydrodynamic bearing. Clearance spaces of the bearing which are to be filled with the fluid lubricant are evacuated. The fluid lubricant is then applied to the clearance spaces. Once the fluid lubricant has been applied to the clearance spaces, or concurrent

therewith, the clearance spaces are returned to ambient pressure levels. Any pockets of air, or other gas, trapped within the bearing are collapsed as the clearance spaces are returned to the ambient pressure levels. The method is amenable to a high volume, assembly line-like process wherein large numbers of bearings may be filled with the fluid lubricant in a short period of time.

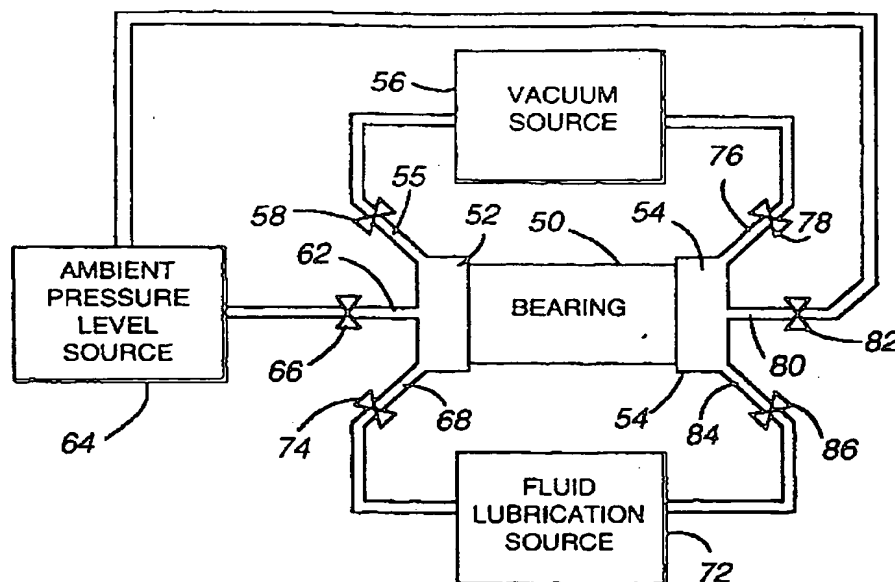


Fig. 2

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